

### Fig. 2a

Z& TR	DER															
gct	etec	ctg (	ctcca	agcaa	ag ga	acc a	atg a Met 1	agg g Arg <i>l</i>	gcg ( Ala 1	teu (	gag g Glu ( 5	ggg G	eca g Pro C	ggc o	etg Leu	51
tcg Ser 10	ctg Leu	ctg Leu	tgc Cys	ctg Leu	gtg Val 15	ttg Leu	gcg Ala	ctg Leu	cct Pro	gcc Ala 20	ctg Leu	ctg Leu	ccg Pro	gtg Val	ccg Pro 25	99
gct Ala	gta Val	cgc Arg	gga Gly	gtg Val 30	gca Ala	gaa Glu	aca Thr	ccc Pro	acc Thr 35	tac Tyr	ccc Pro	tgg Trp	cgg Arg	gac Asp 40	gca Ala	147
gag Glu	aca Thr	ggg Gly	gag Glu 45	cgg Arg	ctg Leu	gtg Val	tgc Cys	gcc Ala 50	cag Gln	tgc Cys	ccc Pro	cca Pro	ggc Gly 55	acc Thr	ttt Phe	195
gtg Val	cag Gln	cgg Arg 60	ccg Pro	tgc Cys	cgc Arg	cga Arg	gac Asp 65	agc Ser	ccc Pro	acg Thr	acg Thr	tgt Cys 70	ggc Gly	ccg Pro	tgt Cys	243
cca Pro	ccg Pro 75	cgc Arg	cac His	tac Tyr	acg Thr	cag Gln 80	ttc Phe	tgg Trp	aac Asn	tac Tyr	ctg Leu 85	gag Glu	cgc Arg	tgc Cys	cgc Arg	291
tac Tyr 90	tgc Cys	aac Asn	gtc Val	ctc Leu	tgc Cys 95	G1y 999	gag Glu	cgt Arg	gag Glu	gag Glu 100	gag Glu	gca Ala	cgg Arg	gct Ala	tgc Cys 105	339
cac His	gcc Ala	acc Thr	cac His	aac Asn 110	cgt Arg	gcc Ala	tgc Cys	cgc Arg	tgc Cys 115	cgc Arg	acc Thr	ggc Gly	ttc Phe	ttc Phe 120	gcg Ala	387
cac His	gct Ala	ggt Gly	ttc Phe 125	tgc Cys	ttg Leu	gag Glu	cac His	gca Ala 130	tcg Ser	tgt Cys	cca Pro	cct Pro	ggt Gly 135	gcc Ala	ggc Gly	435
gtg Val	att Ile	gcc Ala 140	ccg Pro	ggc Gly	acc Thr	ccc Pro	agc Ser 145	cag Gln	aac Asn	acg Thr	cag Gln	tgc Cys 150	cag Gln	ccg Pro	tgc Cys	483
ccc Pro	cca Pro 155	ggc Gly	acc Thr	ttc Phe	tca Ser	gcc Ala 160	agc Ser	agc Ser	tcc Ser	agc Ser	tca Ser 165	gag Glu	cag Gln	tgc Cys	cag Gln	531
ccc Pro 170	cac His	cgc Arg	aac Asn	tgc Cys	acg Thr 175	gcc Ala	ctg Leu	ggc Gly	ctg Leu	gcc Ala 180	ctc Leu	att Ile	gtg Val	cca Pro	ggc Gly 185	579
tct Ser	tcc Ser	tcc Ser	cat His	gac Asp 190	acc Thr	ctg Leu	tgc Cys	acc Thr	agc Ser 195	tgc Cys	act Thr	ggc Gly	ttc Phe	ccc Pro 200	ctc Leu	627
agc Ser	acc Thr	agg Arg	gta Val 205	cca Pro	gga Gly	gct Ala	gag Glu	gag Glu 210	tgt Cys	gag Glu	cgt Arg	gcc Ala	gtc Val 215	atc Ile	gac Asp	675
ttt Phe	gtg Val	gct Ala 220	ttc Phe	cag Gln	gac Asp	atc Ile	tcc Ser 225	atc Ile	aag Lys	agg Arg	ctg Leu	cag Gln 230	cgg Arg	ctg Leu	ctg Leu	723

TECHLENER BONDONS
51
60



## Fig. 2b

X-12	2915	- 3			)											<i>^</i>	
igy and a															P.C.	Chieffy	
CERTAN DESCRIPTION OF SECTION OF				,			Fi	g.	2b							CENTER TOOLSON	
cag Gln	gcc Ala 235	ctc Leu	gag Glu	gcc Ala	ccg Pro	gag Glu 240	ggc Gly	tgg Trp	gct Ala	ccg Pro	aca Thr 245	cca Pro	agg Arg	gcg Ala	220	771	
cgc Arg 250	gcg Ala	gcc Ala	ttg Leu	cag Gln	ctg Leu 255	aag Lys	ctg Leu	cgt Arg	cgg Arg	cgg Arg 260	ctc Leu	acg Thr	gag Glu	ctc Leu	ctg ` Leu 265	819	
ggg Gly	gcg Ala	cag Gln	gac Asp	ggg Gly 270	gcg Ala	ctg Leu	ctg Leu	gtg Val	cgg Arg 275	ctg Leu	ctg Leu	cag Gln	gcg Ala	ctg Leu 280	cgc Arg	867	
gtg Val	gcc Ala	agg Arg	atg Met 285	ccc Pro	ggg Gly	ctg Leu	gag Glu	cgg Arg 290	agc Ser	gtc Val	cgt Arg	gag Glu	cgc Arg 295	ttc Phe	ctc Leu	915	
	gtg Val		tgat	cct	ggc (	cc										936	



# TOP CHIEF SOUS TO

## Fig. 4a

gtg Val 1	gca Ala	gaa Glu	aca Thr	ccc Pro 5	acc Thr	tac Tyr	ccc Pro	tgg Trp	cgg Arg 10	gac Asp	gca Ala	gag Glu	aca Thr	999 Gly 15	gag Glu	48
cgg Arg	ctg Leu	gtg Val	tgc Cys 20	gcc Ala	cag Gln	tgc Cys	ccc Pro	cca Pro 25	ggc Gly	acc Thr	ttt Phe	gtg Val	cag Gln 30	cgg Arg	ccg · Pro	96
tgc Cys	cgc Arg	cga Arg 35	gac Asp	agc Ser	ccc Pro	acg Thr	acg Thr 40	tgt, Cys	ggc Gly	ccg Pro	tgt Cys	cca Pro 45	ccg Pro	cgc Arg	cac His	144
tac Tyr	acg Thr 50	cag Gln	ttc Phe	tgg Trp	aac Asn	tac Tyr 55	ctgʻ Leu	gag Glu	cgc Arg	tgc Cys	cgc Arg 60	tac Tyr	tgc Cys	aac Asn	gtc Val	192
ctc Leu 65	tgc Cys	Gly 999	gag Glu	cgt Arg	gag Glu 70	gag Glu	gag Glu	gca Ala	cgg Arg	gct Ala 75	tgc Cys	cac His	gcc Ala	acc Thr	cac His 80	240
aac Asn	cgt Arg	gcc Ala	tgc Cys	cgc Arg 85	tgc Cys	cgc Arg	acc Thr	Gly	ttc Phe 90	ttc Phe	gcg Ala	cac His	gct Ala	ggt Gly 95	ttc Phe	288
tgc Cys	ttg Leu	gag Glu	cac His 100	gca Ala	tcg Ser	tgt Cys	cca Pro	cct Pro 105	ggt Gly	gcc Ala	ggc Gly	gtg Val	att Ile 110	gcc Ala	ccg Pro	336
ggc Gly	acc Thr	ccc Pro 115	agc Ser	cag Gln	aac Asn	acg Thr	cag Gln 120	tgc Cys	cag Gln	ccg Pro	tgc Cys	ccc Pro 125	cca Pro	ggc Gly	acc Thr	384
ttc Phe	tca Ser 130	gcc Ala	agc Ser	agc Ser	tcc Ser	agc Ser 135	tca Ser	gag Glu	cag Gln	tgc Cys	cag Gln 140	ccc	cac His	cgc Arg	aac Asn	432
tgc Cys 145	acg Thr	gcc Ala	ctg Leu	ggc Gly	ctg Leu 150	gcc Ala	ctc Leu	aat Asn	gtg Val	cca Pro 155	ggc Gly	tct Ser	tcc Ser	tcc Ser	cat His 160	480
gac Asp	acc Thr	ctg Leu	tgc Cys	acc Thr 165	agc Ser	tgc Cys	act Thr	ggc Gly	ttc Phe 170	ccc Pro	ctc Leu	agc Ser	acc Thr	agg Arg 175	gta Val	528
cca Pro	gga Gly	gct Ala	gag Glu 180	gag Glu	tgt Cys	gag Glu	cgt Arg	gcc Ala 185	gtc Val	atc Ile	gac Asp	ttt Phe	gtg Val 190	gct Ala	ttc Phe	576
cag Gln	gac Asp	atc Ile 195	tcc Ser	atc Ile	aag Lys	agg Arg	ctg Leu 200	cag Gln	cgg Arg	ctg Leu	ctg Leu	cag Gln 205	gcc Ala	ctc Leu	gag Glu	624
gcc Ala	ccg Pro 210	gag Glu	ggc Gly	tgg Trp	gct Ala	ccg Pro 215	aca Thr	cca Pro	agg Arg	gcg Ala	ggc Gly 220	Arg	gcg Ala	gcc Ala	ttg Leu	672
cag Gln 225	Leu	aag Lys	ctg Leu	cgt Arg	cgg Arg 230	cgg Arg	ctc Leu	acg Thr	gag Glu	ctc Leu 235	Leu	ggg Gly	gcg Ala	cag Gln	gac Asp 240	720



# Fig. 4b

X-1	2915		,															,
7C3			I													POH SUL		
MARK S				:											-	W. S.	1600	\ <u>\</u>
MARKS	,						1	Fig	. 4	b							RO	·
ggg ggg	gcg Ala	ctg Leu	ctg Leu	gtg Val 245	cgg Arg	ctg Leu	ctg Leu	cag Gln	gcg Ala 250	ctg Leu	cgc Arg	gtg Val	gcc Ala	agg Arg 255	atg Met	768		
ccc Pro	G1y 999	ctg Leu	gag Glu 260	cgg Arg	agc Ser	gtc Val	cgt Arg	gag Glu 265	cgc Arg	ttc Phe	ctc Leu	cct Pro	gtg Val 270	cac His		813		
tgat	ccts	gc d	cc												:	825		